

TABLE 1
EXISTING AMBIENT SEDIMENT QUALITY DATA
ROSS ISLAND SAND & GRAVEL CO.

Confidential: Work Product Within the Attorney-Client Privilege

	HC-1	HC-2A	HC-2B	HC-SS02	HC-SS03	HC-SS24	HC-SS29	HC-SS30	HC-SS31	HC-SS32	HC-SS33	PA03	PA04	HS-1	HS-2	HS-3	HS-4	HS-5	Calculated Ambient Concentration	Toxicity Screening Level (a)	Bioaccum. Screening Level (a)	
Semivolatile Organics (µg/kg)																						
Naphthalene	NT	NT	3.3 J	50 U	3 J	3 J	2.51 U	2.68	2.1 U	2.3 U	1.64 U	3.3	200	none								
Acenaphthylene	NT	NT	3.2 J	50 U	10 U	10 U	4.08	6.28 J	2.68	3.71	1.64 U	6.28	40	13577000								
Acenaphthene	NT	NT	16 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10 U	10 U	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	2	60	140000	
Fluorene	NT	NT	16 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	10 U	10 U	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	2	20	94000	
Phenanthrene	NT	NT	4.3 J	50 U	60	10 J	7 J	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	60	40	13577000							
Anthracene	NT	NT	16 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	1 J	1 J	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	2	60	4100000	
2-Methylnaphthalene	NT	NT	NT	50 U	2 J	1 J	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	2	20	none								
Fluoranthene	NT	NT	5.6 J	50 U	69	50 U	98	17	14	4.79	7.16 J	5.4	5.23	12.2	98	100	70000					
Pyrene	NT	NT	10 J	50 U	67	50 U	89	20	16	7.86	8.16	8.37	6.05	9.32	89	50	53000					
Benzo(a)anthracene	NT	NT	4.8 J	50 U	7 J	6 J	5.02 U	3.78 U	4.2 U	4.59 U	3.28 U	7	30	5								
Chrysene	NT	NT	5.1 J	50 U	9 J	8 J	5.02 U	3.78 U	4.2 U	4.59 U	3.28 U	9	60	500								
Benzofluoranthenes	NT	NT	11.7	50 U	13 J	13 J	13.8	3.78 UU	4.2 U	8.85	8.57	13.8	30	50								
Benzo(a)pyrene	NT	NT	13 J	50 U	8 J	6	5.08	1.89 UU	2.1 U	2.68	5.17	13	30	1								
Indeno(1,2,3-cd)pyrene	NT	NT	12 J	50 U	7	6 J	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	12	20	5								
Dibenzo(a,h)anthracene	NT	NT	16 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	5 U	5 U	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	2	60	1	
Benzo(g,h,i)perylene	NT	NT	45	50 U	7	8	2.51 U	1.89 U	2.1 U	2.3 U	1.64 U	45	60	1018000								
Dibenzofuran	NT	NT	16 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	5 U	5 U	25.1 U	18.9 U	21 U	23 U	16.4 U	20	1000	4400	
Bis(2-ethylhexyl)phthalate	NT	NT	310 U	350	420	100 U	120	100 U	200 U	120	33 U	54 U	48.5 U	30.2 U	46.2 U	420	20	none				
Phenol	NT	NT	46 U	100 U	50 U	50 U	25.1 U	18.9 U	21 U	23 U	16.4 U	20	10	none								
Polychlorinated Biphenyl (PCB) (µg/kg)																						
Aroclor 1248	14 U	15 U	16 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19.2 U	14.3 U	16 U	16 U	11.8 U	10	30	10	
Aroclor 1254	14 U	15 U	16 U	10 U	12	10 U	8 J	5 J	19.2 U	14.3 U	16 U	16 U	11.8 U	12	600	10						
Aroclor 1260	14 U	15 U	16 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	19.2 U	14.3 U	16 U	16 U	11.8 U	10	10	10	
Total PCBs	28 U	29 U	31 U	20 U	12	20 U	8 J	5 J	38.4 U	28.6 U	32 U	32 U	23.7 U	20	30	none						
Pesticides (µg/kg)																						
p,p'-DDE	1.4 U	1.5 U	1.6 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	0.8 J	0.6 J	3.84 U	2.86 U	3.2 U	3.2 U	2.37 U	2	2	2	
p,p'-DDD	1.4 U	1.5 U	1.6 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	0.5 J	0.5 J	3.84 U	2.86 U	3.2 U	3.2 U	2.37 U	2	4	2	
p,p'-DDT	1.4 U	1.5 U	0.73 J	6.7 U	1 J	0.6 J	3.84 U	2.86 U	3.2 U	3.2 U	2.37 U	2	4	2								
Aldrin	1.4 U	1.5 U	1.6 U	NT	2 U	2 U	1.92 U	1.43 U	1.6 U	1.6 U	1.18 U	2	8	1								
Chlordane	1.4 U	1.5 U	1.6 U	NT	2 U	2 U	19.2 U	14.3 U	16 U	16 U	11.8 U	2	10	10								
Dieldrin	1.4 U	1.5 U	1.6 U	NT	0.3 J	2 U	3.84 U	2.86 U	3.2 U	3.2 U	2.37 U	2	3	2								
Heptachlor	1.4 U	1.5 U	1.6 U	NT	2 U	2 U	1.92 U	1.43 U	1.6 U	1.6 U	1.18 U	2	2	1								
Tributyltin (pore water) (µg/L)	NT	NT	0.07	0.02 UJ	0.02 UJ	0.05 UJ	0.04 UJ	0.02 UJ	0.04 U	0.05 U	0.05 U	NT	NT	0.00816 U	0.0149 UJ	0.0102 U	0.00879 U	0.0175 U	0.07	0.064	800	
Metals (mg/kg)																						
Antimony	NT	NT	0.47 J	2.28 UJ	2.46 UJ	2.49 UJ	2.49 UJ	2.5 UJ	2.49 UJ	2.52 UJ	2.39 UJ	0.12 J	0.08 J	0.904	0.651 U	0.837 U	0.814 U	0.645 U	0.90	4.00	none	
Arsenic	NT	NT	2.7	2.28 U	2.46 U	2.49 U	2.49 U	2.5 U	2.49 U	2.52 U	2.39 U	3	3	3.69	2.78	3.31	3.24	2.19	2.80	10.00	10.00	
Cadmium	NT	NT	0.07	0.27 UJ	0.3 UJ	0.3 U	0.3 U	0.3 UJ	0.3 UJ	0.29 UJ	0.16	0.08 U	0.339 U	0.261 U	0.335 U	0.325 U	0.258 U	0.16	0.60	0.60	0.60	
Copper	NT	NT	15.4	24.2	26.8	16.6 J	17.3	15 U	16.2	21	15	24.8	25.8	32	19.4	21.6	27.9	18.8	23.00	36.00	18.00	
Chromium	NT	NT	16.8	NT	23.1	20.1	24.5	19	21.3	25.1	13.9	25.10	86.00	86.00								
Lead	NT	NT	5.24	11.2	17.9	5.1	5.53	4.56	5.43	9.69	5.77	12.1	11.8	9.86	7.13	8.4	9.28	8	10.00	35.00	8.90	
Mercury	NT	NT	0.02	0.19 U	0.19 U	0.2 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.04	0.06	0.0606	0.0328 J	0.0461	0.0516	0.031 J	0.061	0.200	0.180	
Nickel	NT	NT	18.5	21.2 J	20.1 J	17.1 J	21.4 J	14.3 J	21.6 J	18.2 J	17.6 J	23.6	20.2	19.9	19.4	18.4	21	14	20.00	20.00	42.70	
Silver	NT	NT	0.1	0.26	0.38	0.2 U	0.19 U	0.16	0.28	0.846 U	0.651 U	0.837 U	0.814 U	0.645 U	0.38	1.00	0.38					
Zinc	NT	NT	49.7	71.1 J	76.9 J	43.8 J	58 J	49.8 J	61.7 J	60.5 J	48.6 J	80.7	78.7	69.3	57.5	64.8	72.3	57.8	68.00	129.00	129.00	
PETROLEUM HYDROCARBONS (mg/kg)																						
Gasoline (b)	14 U	14 U	NT	10 UJ	20 U	10 U	NT	NT	NT	NT	NT	NT	10.00	80.00	none							
Diesel (b)	14 U	14 U	NT	10 U	20 U	10 U	NT	NT	46.2 U	35.1 U	38.8 UJ	40.1 U	31.9 U	10.00	80.00	none						
Heavy Oil (b)	34 U	35 U	NT	25 U	50 U	25 U	NT	NT	154	70.7	93.7 J	93.7	63.7 U	154.00	80.00	none						

Notes: 1.) Detected constituents are indicated by bold-face type.

2. Bold-face type/boxed values indicate the lowest concentration among the calculated ambient concentration, and screening levels.

(a) Toxicity and bioaccumulation screening levels from DEQ Ross Island Fill Evaluation Fact Sheet received on January 16, 2000.

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NT = Not tested.

U = Nondetect.